



A high temperature tape originally developed for NASA use by 3M Company is now being produced as a commercial product by 3M's Industrial Tape Division, St. Paul, Minnesota.

Known as Scotch® Brand Tape 364 (upper photo), it is an aluminized glass-cloth tape used, in aerospace applications, to protect electrical and instrumentation cables and fluid lines from

rocket launch blast conditions (lower photo). The tape can withstand prolonged exposure to temperatures up to 500 degrees Fahrenheit and it is capable of functioning in temperatures as low as minus 65 degrees.

No. 364 is a second generation cable wrapping that combines the best characteristics of aluminum foil and glass-cloth tapes. Coated with a silicone adhesive, it spiral-wraps smoothly without cracking and is easily applied to compound surfaces. It has excellent solar energy reflectance, tested at more than 85 percent, and tests also indicate an extremely low propensity for developing static charge, so it does not present an electrostatic hazard.

As a product for non-aerospace use, 3M Industrial Tape Division sees uses in the automotive and general transportation industries and for heat reflection applications in high temperature building construction. ▲

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